

ATSDR Federal Quarterly Report

15-Aug-03 03:50 PM

ACTUAL COMPLETION FROM :4/1/2003
ACTUAL COMPLETION TO :6/30/2003

DIVISION : HA

AF BRAC I/II/III

CHANUTE AIR FORCE BASE

IL1570024157

IL

ACTIVITY : SAP --- Initial Assessment

SCHEDULED START: Oct-01-2002

SCHEDULED COMPLETION: Sep-30-2003

ACTUAL COMPLETION: Jun-01-2003

Continued coordination and potential technical assistance.

AF DERA**EDWARDS AIR FORCE BASE****CA1570024504****CA****ACTIVITY : PHA --- Public Health Assessment****DOC RELEASE: Final**

SCHEDULED START: May-01-2003

SCHEDULED COMPLETION: Sep-30-2003

ACTUAL COMPLETION: May-08-2003

PHA Final released.

ATSDR has reviewed available environmental data, exposure scenarios, and community health concerns to determine whether exposure associated with the site can lead to adverse health effects. On the basis of this information, ATSDR concludes the following:

No apparent public health hazards are associated with past exposures to arsenic in one on-base supply system well. No adverse health effects are expected from past exposures. Other on-base and off-base drinking water wells are free of contamination. EAFB monitors active on-base wells and boundary-line wells to prevent current or future exposures. On-base residents were not exposed to potential chemical warfare materiel contaminants in subsurface soil. No apparent public health hazards to on-base workers or residents are associated with exposures to dioxins in air from dual extraction remediation systems at sites 16 and 18.

HANSCOM FIELD/HANSCOM AIR FORCE BASE**MA8570024424****MA****ACTIVITY : SAP --- Site Visits**

SCHEDULED START: Apr-01-2003

SCHEDULED COMPLETION: Apr-04-2003

ACTUAL COMPLETION: Apr-03-2003

Site Visit

ATSDR visited Hanscom AFB April 2 - 3, 2003. Information relating to the site visit was relayed by letter on May 19, 2003, to the Installation Commander and environmental contacts for AFIERA, AFMOA, and USACHPPM.

The primary purpose of ATSDR's site visit was to gather additional information for use in preparing the public health assessment report for Hanscom AFB. On the basis of the site visit and a preliminary examination of the available information, ATSDR has identified the following concerns. They are listed in order of priority for follow-up and may be included in the public health assessment pending review of additional information.

Groundwater contamination in the vicinity of Bedford community gardens -- Low levels of solvent contamination in groundwater extending off base into the community of Bedford has been documented. ATSDR will evaluate the available information on groundwater monitoring and remediation to determine the likelihood of harmful exposures to the public from use of this groundwater.

Potential contamination of the Shawsheen River from various source sites within Hanscom AFB -- Several sources within Hanscom AFB have the potential to contaminate the Shawsheen River with chemicals. ATSDR will evaluate available information to determine the likelihood of harmful public exposures to any such contamination.

Possible contact with materials in former landfills within Hanscom AFB, identified as Sites 4, 6, and 8 -- Each of these landfills has been investigated by the Hanscom AFB environmental program. Actions have been taken to determine the contents, to monitor possible environmental contamination, and to isolate the contents from possible contact with people. For each of these sites, a specific potential exposure may present a concern. Site 4 is capped and monitored. However, it has a ballfield located within its perimeter. Site 6 is located adjacent to a wetland area of the Shawsheen River. Records also indicate that material may have been disposed of across the fence line. These potential exposures will be investigated by ATSDR. Site 8 is the Scott Circle landfill. It is located in the vicinity of the child development center. Although information suggests that no surface contamination exists at the site, the potential for exposure to children is a concern. ATSDR will examine available information to evaluate the potential for harmful exposure.

HILL AIR FORCE BASE**UT0571724350****UT****ACTIVITY : PHA --- Public Health Assessment****DOC RELEASE: Final**

SCHEDULED START: Mar-01-2003

SCHEDULED COMPLETION: Jul-30-2003

ACTUAL COMPLETION: May-30-2003

PHA Final

ATSDR evaluated whether exposures to environmental contaminants could affect the health of residents of Hill AFB or surrounding communities. Conclusions regarding potential past, current, and future exposure situations for nearby communities are based on a thorough evaluation of data and observations made during base visits. Although exposure occurred through indoor air, surface water, crops, groundwater and soil, the levels of exposure are too low to present a public health hazard. At a public meeting March 12 in Layton, Utah, ATSDR discussed the public health assessment and its findings.

Recommendations:

ATSDR recommends that the USAF monitor indoor air quality (both flux and in-home measurements) in additional homes in Roy. To assess the exposure potential for VOCs in the homes more fully, residences located above the groundwater contamination plumes as well as residences not located above groundwater contamination plumes should be monitored. Additionally, the flux measurements would provide valuable insight into the cause of the indoor air contamination in the homes (i.e., whether VOC contamination resulted from the groundwater plume, non-base related contamination, or a combination of both). This monitoring should occur as soon as possible and last until sufficient characterization of the contamination is known.

LANGLEY AIR FORCE BASE/NASA LANGLEY RESE**VA2800005033****VA****ACTIVITY : HCV --- Review of Environmental Sampling**

SCHEDULED START: Apr-18-2003

SCHEDULED COMPLETION: Apr-25-2003

ACTUAL COMPLETION: Apr-25-2003

EPA requested that ATSDR review recent fish sampling data for the Back River to determine if a ban on fishing in the river is warranted. ATSDR concluded that a fish ban is not warranted. This is to be discussed at an upcoming RAB meeting.

ATSDR was asked by EPA Region 3 to review the PCB contamination levels in fish sampled from the Back River adjacent to Langley AFB ERP site SS-63. ATSDR provided a response by e-mail on April 25, 2003. ATSDR reviewed the RI/FS and relevant documentation and evaluated the sampling data to determine the potential public health impact on adults and children who consume fish from the Back River near SS-63. In addition ATSDR evaluated the impact on health from exposure to arsenic and mercury contamination in the fish.

PCB, arsenic, and mercury contamination is too low to pose a public health hazard to adults or children from long-term consumption of Back River fish. ATSDR does not believe that a ban or limit on fish consumption is warranted. This position is consistent with that taken by the Virginia Department of Health.

Although no limit on fish consumption appears warranted, ATSDR suggests that providing a health education message to anglers fishing in the Back River area would be appropriate. Information should describe preparation and cooking methods that will reduce the level of contamination in fish.

MATHER AIR FORCE BASE (AC&W DISPOSAL SIT**CA8570024143****CA****ACTIVITY : TEC --- Responding to community concerns**

SCHEDULED START: May-07-2003

SCHEDULED COMPLETION: May-20-2003

ACTUAL COMPLETION: May-20-2003

ATSDR responded to a community member's health concerns related to Mather AFB.

ATSDR responded to a community member's health concern about Mather AFB. ATSDR discussed the findings in the PHA, released in September, 2000. Based upon the information available, ATSDR did not find evidence of exposure to hazardous substances released from Mather AFB that would be of sufficient magnitude to result in a public health hazard. ATSDR summarized the discussion and provided the PHA to the community member in a letter on May 20, 2003.

ACTIVITY : PHA --- Public Health Assessment

DOC RELEASE: Final

SCHEDULED START: Apr-01-2003

SCHEDULED COMPLETION: Sep-30-2003

ACTUAL COMPLETION: Apr-11-2003

PHA Final

ATSDR has evaluated environmental information on air, surface water, groundwater, herbicide, and radioactive contamination at Eglin AFB. The potential exposure pathways and amounts of contamination vary for each issue. Nonetheless, for each case the agency has concluded that past, present, and future human exposure is unlikely to occur often enough or in high enough doses to be a health concern.

ARMY BRAC**FORT MONMOUTH-EVANS #1****NJ3210020324****NJ****ACTIVITY : HCV --- Review of Environmental Sampling**

SCHEDULED START: Apr-01-2003

SCHEDULED COMPLETION: Sep-30-2003

ACTUAL COMPLETION: Apr-22-2003

ATSDR was requested to review the Laural Gully Brook sediment sampling to determine the need for an advisory posting to restrict recreational use of the waterbody.

Ft Monmouth environmental staff asked ATSDR to review analytical results from sediment sampling of Laural Gully Brook (Operable Unit AREE 31 data) and to assess the need for an advisory to restrict recreational use of the waterbody. ATSDR staff discussed the issue by conference call with the Ft Monmouth site coordinator, and with staff of New Jersey Department of Environmental Protection and the Monmouth County Health Department on April 22, 2003.

ATSDR concluded that the sediment contamination in the brook is similar in concentration and chemical mixture to the reference location near a storm water outfall that drains route 18. The Army has already removed sediments near the outfall areas leading into the brook. Further sampling did not exceed human health screening levels. The levels of organic chemicals and metals were too low to pose a health hazard to recreational users of the brook. The brook has seasonal flow and is not used for fishing. ATSDR concluded that restrictions on recreational use of the brook are not needed.

TOOELE ARMY DEPOT (NORTH AREA)**UT3213820894****UT****ACTIVITY : PHA --- Public Health Assessment****DOC RELEASE: Public**

SCHEDULED START: Jan-01-2003

SCHEDULED COMPLETION: Jun-30-2003

ACTUAL COMPLETION: Jun-09-2003

PHA for Public Comment

Exposure to contaminants in groundwater from two on-site drinking-water wells poses no past or current public health hazard. Site-related VOCs have not been detected in either of these wells. Exposure to contaminants in groundwater from off-site municipal or private wells poses no past, current or future public health hazard. The cities of Grantsville and Tooele City operate municipal wells that meet state and federal safe-drinking-water standards. Private wells located within one mile of the northeast corner or north-central boundary of TEAD may be affected by the TCE plume; water quality is appropriate for irrigation, stock watering, and industrial uses.

Exposures to air contaminants from open burning/open detonation activities at TEAD do not pose a health hazard for residents living in close proximity to the depot. Since 1993, local residents have not been exposed to contaminants from the OB/OD operations that would be expected to cause adverse health effects. Before 1990, detonations were permitted at TEAD that were as much as 7 times greater (by weight) than those currently allowed. No air monitoring was conducted in Grantsville at that time. Therefore, ATSDR considers the public health hazard to be indeterminate for exposures in Grantsville to past air contaminants from OD operations before 1990.

Exposures to ordnance and explosive waste (OEW) at the agricultural area immediately adjacent to the OB/OD area during farming was a past, and is a current, public health hazard. The land continues to be used for farming, and the property has not been completely cleared of OEW. According to TEAD officials, the OB/OD process has been modified to prevent additional OEW materials from entering any portion of this property. In addition, the property has been included in the Military Mission Response Plan to remove OEW from the uncleared sections. ATSDR recommends that the uncleared portion of the land not be farmed until clearance actions are complete.

Exposures from lead-contaminated soil at the skeet range do not pose a public health hazard. Soil within the skeet range was contaminated with lead. Access to this area was restricted, however, and opportunities for exposure were generally very limited. Remediation of this area was completed in the fall of 2002. Following approval by the Department of Environmental Quality, the area will be available for residential use.

ARMY DERA**FORT WAINWRIGHT****AK6210022426****AK****ACTIVITY : PHA --- Public Health Assessment****DOC RELEASE:** Pre Draft

SCHEDULED START: Jun-01-2002

SCHEDULED COMPLETION: Mar-31-2003

ACTUAL COMPLETION: Apr-23-2003

PHA Data Validation

ATSDR provided the PHA for Data Validation on April 23, 2003.

IOWA ARMY AMMUNITION PLANT**IA7213820445****IA****ACTIVITY : HCW --- Review of Environmental Sampling****DOC RELEASE:** Pre Draft

SCHEDULED START: Oct-01-2002

SCHEDULED COMPLETION: Apr-15-2003

ACTUAL COMPLETION: Apr-25-2003

Public health consult will review Be and DU pathways into the community.

ATSDR provided the public health consult for Data Validation on April 25, 2003.

LOUISIANA ARMY AMMUNITION PLANT**LA0213820533****LA****ACTIVITY : PHA --- Public Health Assessment****DOC RELEASE:** Final

SCHEDULED START: Mar-31-2003

SCHEDULED COMPLETION: Jul-15-2003

ACTUAL COMPLETION: Jun-11-2003

PHA Final

After evaluating environmental monitoring data and key potential exposure situations, ATSDR determined that potential exposures associated with groundwater, surface soil, surface water, sediment, and biota at LAAP do not pose past, current or future public health hazards.

USARMY/NASA REDSTONE ARSENAL**AL7210020742****AL****ACTIVITY : PHA --- Public Health Assessment****DOC RELEASE:** Pre Draft

SCHEDULED START: Oct-01-2002

SCHEDULED COMPLETION: Mar-31-2003

ACTUAL COMPLETION: Apr-23-2003

PHA for Data Validation---State activity

ATSDR provided the PHA for Data Validation on April 23, 2003.

FUDS**SPRINGVALLEY CHEMICAL MUNITIONS****DCXCRA175000****DC****ACTIVITY : EID ---****DOC RELEASE:** Final

SCHEDULED START: Jan-01-2003

SCHEDULED COMPLETION: Jun-30-2003

ACTUAL COMPLETION: Jun-11-2003

Exposure Investigation Phase II

This exposure investigation examined individuals in the Spring Valley neighborhood of Washington, D.C. The investigation focused on whether these individuals had been exposed to arsenic contamination in their yards. The investigation was conducted from July through November 2002 and is the follow-up to an earlier (March 2002) investigation. Urine arsenic levels were tested in 40 individuals: 34 adults and six children aged 21 months to 15 years. All of these individuals were residents of 19 homes where the yards showed elevated soil arsenic levels, or homes adjacent to properties under remediation for elevated soil arsenic levels.

ATSDR concluded that 1) overall, urine arsenic testing showed no significant arsenic exposure in the population, 2) three individuals had slight elevations in their urine inorganic arsenic levels and 3) these levels are not expected to cause health problems.

ATSDR recommended that 1) individuals with mild elevations of inorganic arsenic should have follow-up urinalysis for arsenic, 2) all of the tested individuals should discuss their results with their personal health care provider, and 3) individuals, or their health care providers, can discuss their results with an ATSDR physician if they choose to do so.

TANAPAG VILLAGE (SAIPAN)**MPD982524506****MP****ACTIVITY : TEC --- Other**

SCHEDULED START: May-27-2003

SCHEDULED COMPLETION: May-28-2003

ACTUAL COMPLETION: May-28-2003

Provided status update to EPA about scheduled release date of PHA.

ATSDR provided information to EPA about scheduled release date of PHA for an EPA fact sheet.

FUSRAP**COLONIE INTERIM STORAGE SITE****NY0890137854****NY****ACTIVITY : HCW --- Review of Environmental Sampling****DOC RELEASE:** Pre Draft

SCHEDULED START: Oct-01-2002

SCHEDULED COMPLETION: Jun-30-2003

ACTUAL COMPLETION: Jun-05-2003

Health Consult- Depleted Uranium and Lead.

Data validation draft of health consult on depleted uranium and lead was provided by e-mail to relevant agencies on June 5, 2003. Additional information on current lead sampling by New York State will be included in the final health consult.

NAVY BRAC**AGANA NAVAL AIR STATION****GU0170027320****GU****ACTIVITY :** TEC --- Other

SCHEDULED START: May-15-2003 SCHEDULED COMPLETION: Jun-05-2003 ACTUAL COMPLETION: Jun-04-2003

Provided status update to Guam EPA for use at June 10 RAB meeting.

ATSDR provided a written update of the status of activities at the Agana Power Plant. Guam EPA requested the information for updating the public at a June 10 RAB meeting.

SOUTH WEYMOUTH NAVAL AIR STATION**MA2170022022****MA****ACTIVITY :** TEC --- Responding to community concerns

SCHEDULED START: May-05-2003 SCHEDULED COMPLETION: Jun-12-2003 ACTUAL COMPLETION: Jun-12-2003

Community Restoration Advisory Board members requested information about continued ATSDR involvement at SWNAS.

Community Restoration Advisory Board members expressed concern at the May 9, 2003, RAB meeting about whether ATSDR currently receives Navy documents describing ongoing clean-up activities. ATSDR's regional representative offered to provide a report at the next RAB meeting on June 12, 2003. ATSDR coordinates with the Navy by receiving notification of documents being released. ATSDR will receive updates of the administrative record index. ATSDR's regional representative will attend RAB meetings to determine activities of current interest to the RAB. ATSDR will copy the RAB on comments made to the Navy on documents containing information relevant to ATSDR's role in protecting public health.

TREASURE ISL NAVAL STATION**CA7170023330****CA****ACTIVITY :** HCV --- Review of Environmental Sampling

SCHEDULED START: Apr-01-2003 SCHEDULED COMPLETION: Sep-30-2003 ACTUAL COMPLETION: May-15-2003

A community member requested evaluation of PCB sampling in soils of a housing area.

In August 2002, ATSDR responded to a community member's request for information about PCBs in a neighborhood near Treasure Island, Hunter's Point. The issue was discussed by telephone, and ATSDR offered to review additional information to be gathered by the Navy. On May 15, 2003, ATSDR provided a letter as a follow up on the basis of new information in a 2002 Navy engineering evaluation cost analysis (EECA) document which summarized the extent of soil sampling and cleanup options under consideration.

The information indicated little potential for exposure to soil contamination at levels that would constitute a public health concern near the community member's home. Other nearby areas of identified soil contamination that exceeded health-based concentrations have been removed, eliminating a current and future hazard.

NAVY DERA**LAKEHURST NAVAL AIR ENGINEERING CENTER****NJ7170023744****NJ****ACTIVITY : PHA --- Public Health Assessment****DOC RELEASE:** Public

SCHEDULED START: Nov-01-2002

SCHEDULED COMPLETION: Mar-31-2003

ACTUAL COMPLETION: Apr-22-2003

PHA Public Comment

ATSDR evaluated whether exposures to environmental contaminants could affect the health of residents of Lakehurst Naval Engineering Center or surrounding communities. Conclusions regarding potential past, current, and future exposure situations for nearby communities are based on a thorough evaluation of available data and on observations made during visits to the base.

ATSDR concluded that groundwater contamination at NAES Lakehurst poses no apparent public health hazard. Monitoring wells are in place to detect contamination before it could enter drinking water supplies in the future. The Navy has implemented several measures that have greatly reduced the possibility that someone might be injured by coming into contact with unexploded ordnance or chemical warfare materiel while hunting or playing on base.

ATSDR concluded that eating deer meat harvested from the base is not a public health hazard. Deer retain a very small fraction of radioactive materials, and the amount that is retained in the deer's body is in body parts that are not commonly eaten. ATSDR used computer modeling to evaluate data for air quality. Results suggest that emissions do not cause on-base or off-base air pollution at unhealthy levels. However, regional sources of ozone not related to the base are present. ATSDR identified information from the New Jersey Department of Environmental Protection that describes ways to reduce exposures to regional air pollution.

LITTLE CREEK NAVAL AMPHIBIOUS BASE**VA5170022482****VA****ACTIVITY : PHA --- Public Health Assessment****DOC RELEASE:** Public

SCHEDULED START: Nov-01-2002

SCHEDULED COMPLETION: Jun-30-2003

ACTUAL COMPLETION: May-27-2003

PHA Public Comment

ATSDR reviewed available data from many sources and consulted with various local, state, and federal agencies to examine current environmental conditions on and near the site. On the basis of this information, ATSDR draws the following key conclusions and makes the following recommendations in its PHA about several possible sources of contamination:

Surface soils at certain locations on the base were contaminated from past operations. Exposure has been prevented because contaminated soil occurs in areas of restricted access, is covered by grass or pavement, or has been removed. Occasional contact with surface-soil contaminants is not expected to pose a public health hazard for adults or children. ATSDR concluded that surface soil poses no apparent public health hazard.

Homes built before 1978 probably have lead-based paint. ATSDR believes it is prudent for persons that live in or near the Turner Road Neighborhood area to be evaluated for potential exposure to lead. Families should also follow the Centers for Disease Control and Prevention (CDC) and Virginia Department of Health (VDH) recommendations and have potentially exposed children under the age of six screened for elevated blood-lead levels.

Fishing and crabbing is not permitted at Little Creek Harbor because of security concerns. Shellfishing is also restricted because of high bacteriological contamination. People can best protect themselves from exposure to chemical and biological contaminants in fish and shellfish by adhering to the existing restrictions in the harbor.

OROTE LANDFILL/AGAT BAY(USN MARIANAS)**GUXCRA758000****GU****ACTIVITY : MTG --- Group meetings (Workgroup)**

SCHEDULED START: May-29-2003

SCHEDULED COMPLETION: May-29-2003

ACTUAL COMPLETION: May-29-2003

Working group conference call to discuss fish sampling. Sampling has been completed. Results will be available in first quarter FY04 for ATSDR review.

ATSDR participated in a conference call with a working group of agencies involved in evaluation and cleanup associated with the Orote Landfill and Orote Seafood Advisory Area. Fish samples for mid- and deep-water fish were collected from depths of 120-720 feet. Samples are being held by the Navy contractor pending review and approval by the Navy of laboratory protocols and methods. The validated data is anticipated to be ready for ATSDR review in the first quarter FY 2004.

QUANTICO MARINE CORPS COMBAT DEVELOPMENT COMMA VA1170024722**VA****ACTIVITY : TEC --- Review of other agency documents /Technical Comments**

SCHEDULED START: Mar-26-2003

SCHEDULED COMPLETION: Apr-30-2003

ACTUAL COMPLETION: Apr-17-2003

Review of draft community relations plan at request of EPA.

EPA Region 3 Remedial Site Manager for MCLB Quantico requested that ATSDR review a draft of the installation's community relations plan dated March 2003. ATSDR provided technical comments, primarily focusing on points of clarification for the document. Comments were provided by e-mail with a follow-up phone call for discussion.

WHIDBEY ISLAND NAVAL AIR STATION (AULT FIELD)**WA5170090059****WA****ACTIVITY : TEC --- Responding to community concerns**

SCHEDULED START: Jan-01-2003

SCHEDULED COMPLETION: Jun-30-2003

ACTUAL COMPLETION: May-15-2003

Community concerns about 1993 PHA. Developed a plan to review new data and respond in FY04 workplan.

A community member requested a response to several detailed concerns about the 1993 Whidby Island Ault Field and Seaplane Base PHA. Discussions were held with the community member and the installation. New data and information were requested from the installation. The review of the PHA and new information will be put into the FY04 workplan.

NAVY SUPPLEMENTAL**ISLA DE VIEQUES BOMBING RANGE****PRXCRA594000****PR****ACTIVITY : PHA --- Public Health Assessment****DOC RELEASE: Final**

SCHEDULED START: Jan-01-2003

SCHEDULED COMPLETION: Aug-30-2003

ACTUAL COMPLETION: Jun-27-2003

PHA Final -- Fish and Shellfish Evaluation - English and Spanish

The PHA on fish and shellfish was conducted to determine whether eating fish and shellfish caught on or around Vieques could have adverse effects on a person's health.

In July 2001, ATSDR, in cooperation with the U.S. Environmental Protection Agency's Environmental Response Team, collected commonly caught and consumed fish and shellfish from the coastal waters and land near shore on Vieques. ATSDR evaluated whether the muscle tissues of the fish and shellfish contained levels of heavy metals and explosive compounds that would adversely affect public health.

ATSDR finds that the fish and shellfish from Vieques are safe to eat. Even though several metals were detected in some of the tested fish and shellfish, the concentrations that were present were too low to be of health concern in virtually all exposure situations evaluated.